

[Handwritten mark]



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/033,746 | 12/19/2001 | Yumman Chan | CA920010082US1 | 8990 |

48838 7590 07/01/2005

JEFFREY SAM SMITH
51 EAST CAMPBELL AVENUE
CAMPBELL, CA 95008

EXAMINER

WOO, ISAAC M

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2162

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/033,746

Applicant(s)

CHAN ET AL.

Examiner

Isaac M. Woo

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,5,18,22-25,27,40 and 44-49 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,5,18,22-25,27,40 and 44-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152:

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This action is in response to Applicant's amendment, filed on April 15, 2005 have been fully considered but are deemed moot in view of new ground of rejections below.
2. Claims 4, 6-17, 19-21, 26, 28-39, 41-43 and 50-63 are canceled. Claims 1-2, 5, 23-24, 27 and 45 are amended. The pending claims are 1-3, 5, 18, 22-25, 27, 40 and 44-49.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-3, 5, 18, 22-25, 27, 40 and 44-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tucker et al (U.S. Patent Pub. No. 2004/0049598, hereinafter, "Tucker") in view of Mukai et al (U.S. Patent No. 6,884,870, hereinafter, "Mukai").

With respect to claim 1, Tucker discloses, replicating (downloading, fig. 2, page 3, section [0031]) the production data (content) store to produce a core data store, see (fig. 2, fig. 4, page 3, section [0037]), contents (original unedited page, page 3, section [0037] from 406, internet content server, fig. 4) are requested by internet user and stored on 240, fig. 2, internet user system); producing a shadow data (image file, page 4, sections [0037]-[0038], editor 422, fig. 4, checks the page's (core data) HTML image file and gathers images) store of a portion of the core data store (original unedited page) (fig. 4, page 4, section [0037]-[0038], image files are portion of original unedited page); modifying the shadow data store (image file, page 4, section [0038]) to produce a modified shadow data store, see (page 4, section [0038], image file is compressed by editor 422, fig. 4); and generating a user view (displaying), for presentation to a user, from the modified shadow data store and the core data (page 5, section [0047] displaying original unedited contents and modified, compressed, content in a user browser), by combining content of the modified shadow data store with content of the core data store (page 5, section [0047], displaying original unedited contents and modified, compressed, content in a user browser) to produce, see (page 5, section [0047]). Tucker does not explicitly disclose, temporary image a user view. However, Mukai discloses, "since the screen can be presented to the user immediately by the image temporary storage unit, and hence the response to the user manipulation can be enhanced", see (col. 16, lines 55-67). This teaches that image is stored on temporary storage unit and the image is presented to a user. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made

Art Unit: 2162

to modify by incorporating temporary image a user view with the system of Mukai. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a combination because that would provide temporary image to save, search and manage data efficient way.

With respect to claim 2, Tucker discloses, applying the modified shadow data store to said core data store to create a modified core data store, see (page 4, section [0038]).

With respect to claim 3, Tucker discloses, propagating said modified core data store to said production data store to produce a modified production data store, see (page 4, section [0038]).

With respect to claim 5, this limitation is discussed before in claim 1 with Mukai. Thus, this is rejected as same reason above in claim 1.

With respect to claim 18, Tucker discloses, document, a software program, a software module, graphic image, a video composition, an audio composition and a web page, see (page 3, section [0037], page 4, section [0038]).

With respect to claim 22, Tucker discloses, insert operations; delete operations, and wherein update operations are combinations of insert and delete operations, see (page 3, section [0037]).

With respect to claim 23, Tucker discloses, replicating (downloading, fig. 2, page 3, section [0031]) the production data (content) store to produce a core data store, see (fig. 2, fig. 4, page 3, section [0037]), contents (original unedited page, page 3, section [0037] from 406, internet content server, fig. 4) are requested by internet user and stored on 240, fig. 2, internet user system); producing a shadow data (image file, page 4, sections [0037]-[0038], editor 422, fig. 4, checks the page's (core data) HTML image file and gathers images) store of a portion of the core data store (original unedited page) (fig. 4, page 4, section [0037]-[0038], image files are portion of original unedited page); modifying the shadow data store (image file, page 4, section [0038]) to produce a modified shadow data store, see (page 4, section [0038], image file is compressed by editor 422, fig. 4); and generating a user view (displaying), for presentation to a user, from the modified shadow data store and the core data (page 5, section [0047] displaying original unedited contents and modified, compressed, content in a user browser), by combining content of the modified shadow data store with content of the core data store (page 5, section [0047], displaying original unedited contents and modified, compressed, content in a user browser) to produce, see (page 5, section [0047]). Tucker does not explicitly disclose, temporary image a user view. However, Mukai discloses, "since the screen can be presented to the user immediately by the

Art Unit: 2162

image temporary storage unit, and hence the response to the user manipulation can be enhanced", see (col. 16, lines 55-67). This teaches that image is stored on temporary storage unit and the image is presented to a user. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating temporary image a user view with the system of Mukai. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a combination because that would provide temporary image to save, search and manage data efficient way.

With respect to claim 24, Tucker discloses, applying the modified shadow data store to said core data store to create a modified core data store, see (page 4, section [0038]).

With respect to claim 25, Tucker discloses, propagating said modified core data store to said production data store to produce a modified production data store, see (page 4, section [0038]).

With respect to claim 27, this limitation is discussed before in claim 1 with Mukai. Thus, this is rejected as same reason above in claim 1.

With respect to claim 40, Tucker discloses, document, a software program, a software module, graphic image, a video composition, an audio composition and a web page, see (page 3, section [0037], page 4, section [0038]).

With respect to claim 44, Tucker discloses, insert operations; delete operations, and wherein update operations are combinations of insert and delete operations, see (page 3, section [0037]).

With respect to claim 23, Tucker discloses, replicating (downloading, fig. 2, page 3, section [0031]) the production data (content) store to produce a core data store, see (fig. 2, fig. 4, page 3, section [0037]), contents (original unedited page, page 3, section [0037] from 406, internet content server, fig. 4) are requested by internet user and stored on 240, fig. 2, internet user system); producing a shadow data (image file, page 4, sections [0037]-[0038], editor 422, fig. 4, checks the page's (core data) HTML image file and gathers images) store of a portion of the core data store (original unedited page) (fig. 4, page 4, section [0037]-[0038], image files are portion of original unedited page); modifying the shadow data store (image file, page 4, section [0038]) to produce a modified shadow data store, see (page 4, section [0038], image file is compressed by editor 422, fig. 4); and generating a user view (displaying), for presentation to a user, from the modified shadow data store and the core data (page 5, section [0047] displaying original unedited contents and modified, compressed, content in a user browser), by combining content of the modified shadow data store with content of the

Art Unit: 2162

core data store (page 5, section [0047], displaying original unedited contents and modified, compressed, content in a user browser) to produce, see (page 5, section [0047]). Tucker does not explicitly disclose, temporary image a user view. However, Mukai discloses, "since the screen can be presented to the user immediately by the image temporary storage unit, and hence the response to the user manipulation can be enhanced", see (col. 16, lines 55-67). This teaches that image is stored on temporary storage unit and the image is presented to a user. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating temporary image a user view with the system of Mukai. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a combination because that would provide temporary image to save, search and manage data efficient way.

With respect to claim 46, Tucker discloses, data storage medium capable for recording data, see (page 3, section [0041]).

With respect to claim 47, Tucker discloses, magnetic, optical, biological and atomic data storage medium, see (page 3, section [0041]).

With respect to claim 48, Tucker discloses, modulated signal medium, see (page 3, section [0041]).


With respect to claim 49, Tucker discloses, a group of networks comprising the Internet and Extranet, see (page 1, section [0002]).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M. Woo whose telephone number is (571) 272-4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


JEAN M. CORRIELUS
PRIMARY EXAMINER

IMW
June 24, 2005